MULTIMEDIA UNIVERSITY

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FINAL EXAMINATION

TRIMESTER 1, 2019/2020

BAC3614 –ACCOUNTING INFORMATION SYSTEMS 2

(All Sections / Groups)

14 OCTOBER 2019
9.00 a.m – 12.00 p.m
(3 Hours)

INSTRUCTIONS TO STUDENTS

1. This question paper consists of 5 pages with 4 questions only.
2. Answer **ALL** questions. The distribution of the marks for each question is given.
3. Please write all your answers in the Answer Booklet provided.

QUESTION 1

a) Previously, customer orders were entered into the system manually by employees. Nowadays, with the advancement in the technology, a wide use of Electronic Data Interchange (EDI) has been applied. Explain TWO (2) benefits of EDI that will help to improve the process of customer orders.

(7 marks)

b) Financial Electronic Data Interchange (FEDI) is the combination of Electronic Fund Transfer (EFT) and Electronic Data Interchange (EDI). Describe THREE (3) control procedures that are available in the FEDI.

(9 marks)

c) Evaluated Receipt Settlement (ERS) is an approach to replace the three way matching process, with two-way match. Discuss THREE (3) benefits of using the ERS.

(9 marks)

(Total: 25 marks)

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QUESTION 2

a) Meranti Specialist Clinic specializes in Ear, Nose and Throat (ENT) treatment. After three years in its operation, the clinic's management team decided to upgrade its current filing to a database approach. The following documents capture the patients' details as well as appointment booking. You are required to convert the details in the documents into a set of relational tables in the third normal form that will be useful for the clinic. Once completed, locate the primary key in each table. (20 marks)

ENT

Meranti Specialist Clinic
53-B Ground Floor, Quay Point, 56100 Cheras, KL
Tel: 03-4280 1123; Fax: 03-4280 1122

PATIENT REGISTRATION CARD *MS 237664*

Patient Details:

Name	:	Jack Sparrow	Mobile No	:	013-6258777
Birth Date	:	10 Feb 1976	Gender	:	Male
Race	:	Chinese			

ENT

Meranti Specialist Clinic
53-B Ground Floor, Quay Point, 56100 Cheras, KL
Tel: 03-4280 1123; Fax: 03-4280 1122

PATIENT REGISTRATION CARD *MS 237665*

Patient Details:

Name	:	Regina Bell	Mobile No	:	012-6548775
Birth Date	:	21 Aug 1990	Gender	:	Female
Race	:	Indian			

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ENT

Meranti Specialist Clinic
53-B Ground Floor, Quay Point, 56100 Cheras, KL
Tel: 03-4280 1123; Fax: 03-4280 1122

PATIENT APPOINTMENT BOOKING

Jack Sparrow (MS 23764) *RECORD I/D : AB 123*
013-6258777

Sickness Code	Sickness Type	Specialist Name	Date
MK 101	Ear Infection	Dr Razieq	7/7/2019
MK 105	Sleep Apnea	Dr Sharon	6/6/2019

ENT

Meranti Specialist Clinic
53-B Ground Floor, Quay Point, 56100 Cheras, KL
Tel: 03-4280 1123; Fax: 03-4280 1122

PATIENT APPOINTMENT BOOKING

Regina Bell (MS 23765) *RECORD I/D : AB 124*
012-6548775

Sickness Code	Sickness Type	Specialist Name	Date
MK 105	Sleep Apnea	Dr Sharon	1/1/2019
MK 203	Tonsilitis	Dr Najwa	4/4/2019
MK 101	Ear Infection	Dr Razieq	5/5/2019

b) Database approach views data as an organizational resource that should be used for the entire organization. It focuses on data integration and data sharing. Explain TWO (2) challenges of implementing database approach.

(5 marks)

(Total: 25 marks)

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QUESTION 3

a) Computer fraud requires computer technology knowledge to perpetrate and execute the crime. It can be classified into five different categories, which among others include input fraud and output fraud.

i. Illustrate both types of fraud with proper example.

(6 marks)

ii. Choose from these two types of fraud which is easier to be committed, and provide your explanation.

(6 marks)

iii. Despite the fact that computer fraud is on the increase, the actual number of cases are staggeringly higher because some fraud cases are not reported. Present THREE (3) reasons why fraud cases are not reported.

(6 marks)

b) You are a newly employed IT manager for Sejora Manufacturing Bhd. You visited the accounting department to perform preliminary review of the company's accounting policies, controls and systems. During the review, you were informed that all employees are forced to change their password every four months to ensure its effectiveness and this is done automatically because the system will prompt the password change requirement. Since the change requirement is relatively frequent, employees usually recycle their password.

You are required to assess the companies' effectiveness in their password practice and suggest FOUR (4) ways to ensure the password is effective.

(7 marks)

(Total: 25 marks)

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QUESTION 4

MALAYSIAN MEDIA GROUP HIT BY RANSOMWARE ATTACK: REPORT

PETALING JAYA, 14 November 2018 - Media Prima's computer systems have been locked out by cyber attackers who are demanding millions of ringgit in ransom. The media company, which runs a stable of television and radio channels, newspapers, and advertising and digital media companies, was hit by a ransomware attack last Thursday, The Edge Financial Daily reported.

Ransomware is a type of malicious software (malware) designed to block access to a computer system until a sum of money is paid. The report, quoting a source, said the attackers are demanding 1,000 bitcoins to release access to the computer systems. This means the attackers are demanding a ransom of RM26.42 million (S$8.7 million).

Media Prima is listed on Bursa Malaysia's main board. It operates, among others, three national newspapers, namely New Straits Times, Berita Harian and Harian Metro; free-to-air television stations, namely TV3, TV9, ntv7 and 8TV; and four radio stations, namely Fly FM, Hot FM, One FM and Kool FM.

(extracted from: https://www.straitstimes.com/asia/se-asia/malaysian-media-group-hit-by-ransomware-attack-report)

Based on the above article, you are required to answer the following questions:

a) Illustrate what it means by Malware with TWO (2) proper examples.
(4 marks)

b) Present THREE (3) possible ways that organization's computer may be hit by malware.
(9 marks)

c) Present FOUR (4) solutions for organizations to protect their computers from malware attack.
(12 marks)

(Total: 25 marks)

End of Paper